(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
17 February 2005 (17.02.2005)

PCT

(10) International Publication Number
WO 2005/015560 A2

(51) International Patent Classification[7]: G11B 27/031

(21) International Application Number:
PCT/EP2004/007622

(22) International Filing Date: 10 July 2004 (10.07.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
03/09096 25 July 2003 (25.07.2003) FR

(71) Applicant *(for all designated States except US)*: EASTMAN KODAK COMPAGNY [US/US]; 343 State Street, Rochester, NY 14650 (US).

(72) Inventor; and
(75) Inventor/Applicant *(for US only)*: PRIGENT, Thierry [FR/FR]; Kodak Industrie, Département Brevets, CRT-Zone Industrielle, F-71102 Chalon-sur-Saône Cedex (FR).

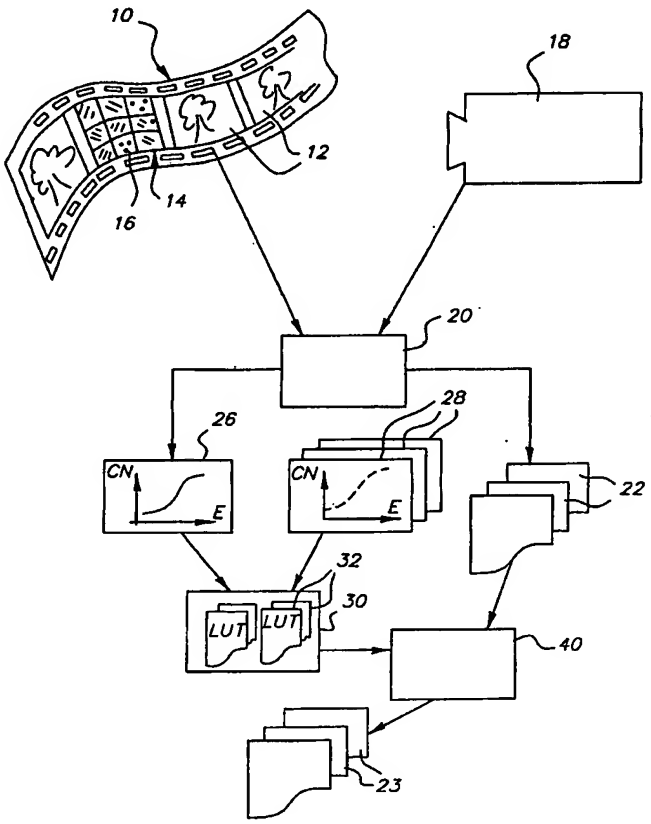
(74) Agent: WEBER, Etienne; Kodak Industrie, Département Brevets, CRT - Zone Industrielle, F-71102 Chalon sur Saône Cedex (FR).

(81) Designated States *(unless otherwise indicated, for every kind of national protection available)*: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States *(unless otherwise indicated, for every kind of regional protection available)*: ARIPO (BW, GH,

[Continued on next page]

(54) Title: METHOD OF DIGITAL SIMULATION OF IMAGE SUPPORT RENDERING



(57) Abstract: A method of simulation of a recording support rendering called target rendering, comprising the following successive steps: a) the digitization of images (12) captured on a first support (10) and at least one sensitometry control (14) recorded on the same support, so as to obtain initial digital codes for a set of pixels taken in the images and the sensitometry control, b) the establishment, from the digital codes of the sensitometry control (26), of an initial sensitometry relationship (26) for the first digital support, the initial sensitometry relationship (26) linking the digital codes to the support's light exposure values, c) the establishment, from one target sensitometry relationship (28), corresponding to the target rendering, of new digital codes for a number of image pixels, the new digital codes being established so that the new digital code and initial digital code of each pixel are linked to the same exposure value, respectively by the target sensitometry relationship (28) and the initial sensitometry relationship (26).

WO 2005/015560 A2

GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— *without international search report and to be republished upon receipt of that report*

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.